

VALE OF GLAMORGAN COUNCIL
ADDITIONAL DRAWINGS

2014/00995/FUL
5/2/15



**BARRATT HOMES
PROPOSED RESIDENTIAL DEVELOPMENT
LAND OFF B4265, BOVERTON**

TRANSPORT ASSESSMENT ADDENDUM

JANUARY 2015



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JANUARY 2015

Project Code:	B/BWBoverton.1
Prepared by:	HI
Approved by:	AS
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Barratt Homes
Proposed Residential Development
Land off B4265, Boverton
Transport Assessment Addendum

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1 Introduction

- 1.1 Mayer Brown Limited prepared a Transport Assessment in respect of a planning application that seeks to develop 64 residential dwellings on land off B4265 adjacent to Boverton, Vale of Glamorgan. The application was registered under planning reference 2014/00995/FUL.
- 1.2 A meeting was held on 11th December 2014 between Vale of Glamorgan Council (VoGC) highway and planning officers and the project team, to discuss the proposals.
- 1.3 The highway officers required additional input and clarification on the proposals, as follows:
 - Access junction layout – confirmation that the design was undertaken to Design Manual for Roads and Bridges (DMRB) standards rather than Manual for Street standards, plus widening of the running lanes on the B4265 to 3.65m;
 - Assessment of adjacent junctions on the B4265 – a percentage change assessment will be required for the B4265 junctions with Llantwit Road and with Eglwys Brewis Road; and
 - Provision of pedestrian crossing facilities on Eglwys Brewis Road to enable pedestrians to safely access the existing signal controlled crossing towards Boverton village.

2 Access junction design

- 2.1 The proposed ghosted right turn access junction has been designed in line with Design Manual for Roads and Bridges standards for a 50mph road and not Manual for Streets as previously suggested.
- 2.2 Following the request of the highway officers at the meeting, the running/through lanes along the B4265 have been widened from 3.5m to 3.65m to ensure sufficient space for HGVs. The right turn lane has remained at 3.5m in width.
- 2.3 The updated site access drawing, 1-01A, is shown in **Appendix A** and includes key dimensions.

3 Junction assessment

- 3.1 A full PICADY assessment was included within the Transport Assessment for the site access junction. At the meeting, VoGC officers requested that a percentage impact analysis be undertaken for the B4265 junctions with Llantwit Road and with Eglwys Brewis Road.
- 3.2 Classified turning counts were undertaken at both of these junctions on Thursday 17th July 2014, during school term time. Surveyed hours were 07:00 to 10:00 and 16:00 to 19:00. This included queue length surveys and a pedestrian count at the signal controlled crossing adjacent to the Llantwit Road junction. Traffic data is included in **Appendix B**.
- 3.3 TEMPRO growth factors have been applied to the observed 2014 flows to determine potential traffic flows in 2019. This uses the growth factors set out in Table 5.1 of the Transport Assessment.
- 3.4 Generated traffic travelling through each of these junctions following the development is included in Appendix H of the Transport Assessment.

B4265 / Eglwys Brewis Road / Boverton Road

- 3.5 **Table 3.1** sets out the change in traffic flows at the B4265 / Eglwys Brewis Road junction for the morning and evening peak hours.

Time period	2014 observed flow	2019 base flow	Generated traffic	2019 forecast traffic	Percentage change
08:00-09:00	807	863	25	888	+2.9%
17:00-18:00	1,042	1,114	28	1,142	+2.5%

Table 3.1: Percentage change in traffic flows through the B4265 / Eglwys Brewis Road junction

- 3.6 The results in **Table 3.1** demonstrate only a minimal increase in traffic flows through the adjacent junction during the network peak hours as a result of the residential development.

B4265 / Llantwit Road

3.7 **Table 3.2** sets out the change in traffic flows at the B4265 / Llantwit Road junction for the morning and evening peak hours.

Time period	2014 observed flow	2019 base flow	Generated traffic	2019 forecast traffic	Percentage change
08:00-09:00	807	863	27	890	+3.1%
17:00-18:00	978	1,046	30	1,076	+2.9%

Table 3.2: Percentage change in traffic flows through the B4265 / Llantwit Road junction

3.8 The results in **Table 3.2** demonstrate only a minimal increase in traffic flows through the adjacent junction during the network peak hours as a result of the residential development.

4 Pedestrian crossing provision

4.1 VoCG officers have requested that a pedestrian crossing facility is provided over Eglwys Brewis Road, from the development site, to ensure that pedestrians can safely cross the road in order to access the signal controlled facilities over the B4265, which form part of the signal controlled junction.

Pedestrian trip generation

4.2 No pedestrian surveys were undertaken at the B4265 / Eglwys Brewis Road junction; however, surveys were undertaken of pedestrians crossing the B4265 at the Llantwit Road junction in July 2014, as shown in **Appendix B**. These demonstrated demand from 61 pedestrians in the morning peak hour (many assumed to be parents taking children to school in the village, based on the times and direction of travel) and seven in the evening peak hour. Similar numbers might be expected from the Eglwys Brewis Road direction, again mainly of parents taking children to school from the existing residential areas.

4.3 Multi modal TRICS data was submitted for the development site with the scoping correspondence to VoGC. This is included in **Appendix C** and includes trip rates for pedestrian journeys. Generated pedestrian trips from the proposed residential development are set out in **Table 4.1**.

Time period	Arrivals		Departures		Total	
	Trip rate	Trip numbers	Trip rate	Trip numbers	Trip rate	Trip numbers
08:00-09:00	0.032	2	0.143	9	0.175	11
17:00-18:00	0.084	5	0.043	3	0.127	8

Table 4.1: Generated pedestrian trip numbers (64 units)

4.4 Development pedestrian trips will be fairly low in number, with the peak during the morning and also mid-afternoon at the end of the school day, when children return home from school.

4.5 Total demand for pedestrian crossing facilities, including the estimated pedestrians from existing residential areas and the additional generated residents, are likely to be around 70-80 in the morning peak and around 15-20 in the evening peak.

Traffic on Eglwys Brewis Road

4.6 An Automatic Traffic Counter (ATC) was laid on Eglwys Brewis Road in the vicinity of the pedestrian exit from the development site, from Wednesday 7th January to Tuesday 13th January 2014 inclusive.

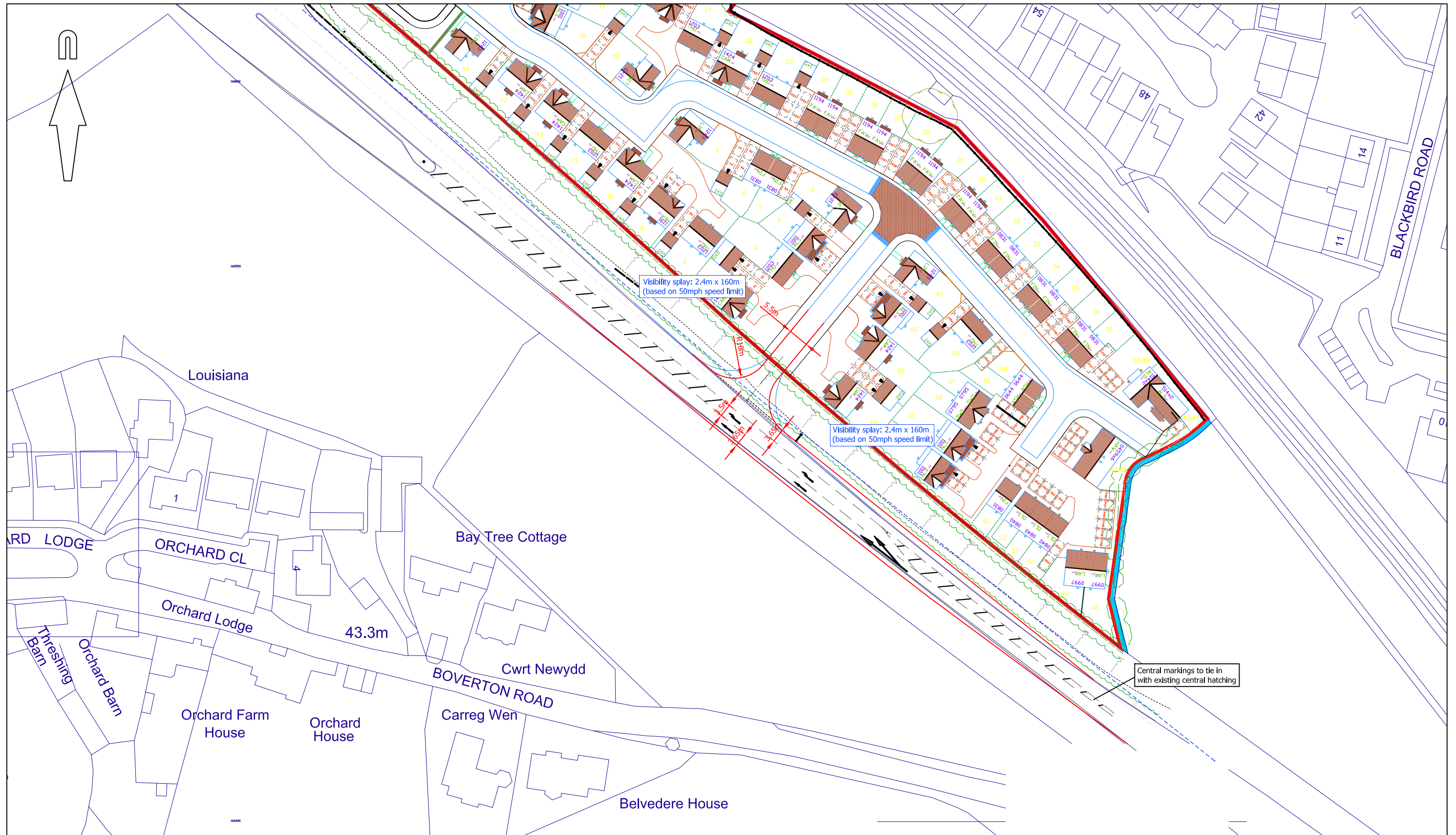
- 4.7 Weekday peak traffic flows were approximately 260 movements per hour, equating to 4.3 vehicles per minute on average.
- 4.8 Traffic speeds were also measured that this demonstrated 85th percentile speeds of 35.0mph in each direction. Based on the requirements set out in LTN 2/95, this results in visibility requirement of 80m, which would need to be applied to any pedestrian crossing to ensure sufficient intervisibility between vehicles and pedestrians.
- 4.9 Queue surveys on Eglwys Brewis Road in July 2014 showed maximum queues of seven vehicles (equating to 42m length from the stop line), with average maxima of three vehicles, and it is therefore recommended that pedestrian crossing facilities are located to avoid this location. The development is not expected to generate additional queuing vehicles on this arm, as all development traffic is predicted to travel along the B4265 or towards Boverton.

Crossing provision

- 4.10 Although no longer forming part of TA68/96 on the assessment and design of pedestrian crossings, except for use in Northern Ireland, the PV^2 calculation still provides a useful starting point to determine the requirement for a formal pedestrian crossing. The degree of conflict between pedestrians and vehicles is determined by PV^2 where V is the two-way total hourly flow of vehicles and P is the two-way total hourly flow of pedestrians crossing the road within 50m on either side of the site at busy times. Using the figures set out above ($P = 80$ pedestrians, $V = 260$ vehicles) gives a PV^2 value of 5.4×10^6 . This is considerably below the level of 10^8 for an undivided road that would require provision of a formal crossing facility.
- 4.11 It is proposed therefore that given traffic flows on this road and given likely pedestrian movements to provide an uncontrolled pedestrian crossing comprising dropped kerbs and tactile paving. This will be located near the pedestrian exit from the site, where the existing footway ends and pedestrians currently cross to the opposite side of the road.
- 4.12 To the north, sufficient intervisibility between pedestrians and vehicles of 80m can be achieved to 0.8m back from the edge of the carriageway (this is the rear of the tactile paving and represents a position where pedestrians would wait to cross). To the south, intervisibility from the B4265 junction, a distance of approximately 60m, is achievable. The proposed crossing is shown on drawing 1-03 in **Appendix D**.
- 4.13 The road is approximately 5.6m in width here and pedestrians would be able to cross this width in approximately five seconds. It is proposed that a different surfacing material (for example, block paving) could be provided on road at this crossing to highlight its

purpose. Additionally, signage to warn drivers of pedestrian crossing will be used to give advanced warning to drivers that there is a pedestrian crossing facility (for example, sign 544.1 “Pedestrians in road ahead”). It is recommended that the footway on the northern side of Eglwys Brewis Road from the crossing to the B4265 junction should be cleared of debris and vegetation at the same time, in order to maximise the width available to pedestrians.

APPENDIX A: Site access junction



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client
BARRATT HOMES

project
LAND OFF B4265, BOVERTON

title
**INDICATIVE ACCESS ARRANGEMENT
 GHOSTED RIGHT TURN LANE
 SUBJECT TO CONFIRMATION OF HIGHWAY
 BOUNDARY**

scale **1:1000 @ A3** | drawn by **HI** | checked by **PA**

date **JULY 2014** | cad file **1-01A.DWG**

drawing number **B/BWBOVERTON.1/01** | rev. **A**

APPENDIX B: Traffic data

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				TOT (ALL)
0700 - 0715	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	
LIGHT	2	57	0	59	2	1	4	7	11	29	1	41	3	1	24	28	128
HGV	0	1	0	1	0	0	0	0	0	2	0	2	0	0	1	1	4
TOT	2	58	0	60	2	1	4	7	11	31	1	43	3	1	25	29	132
0715 - 0730	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	8	50	0	58	1	4	6	11	6	34	0	40	3	5	45	53	151
HGV	0	5	0	5	0	1	1	2	3	4	0	7	0	1	0	1	13
TOT	8	55	0	63	1	5	7	13	9	38	0	47	3	6	45	54	164
0730 - 0745	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	5	81	0	86	2	11	6	19	14	31	1	46	1	5	43	49	181
HGV	1	6	0	7	0	0	0	0	1	3	0	4	0	0	1	1	12
TOT	6	87	0	93	2	11	6	19	15	34	1	50	1	5	44	50	193
0745 - 0800	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	7	71	1	79	6	11	8	25	20	41	2	63	7	3	49	59	201
HGV	2	5	0	7	0	1	1	2	5	7	0	12	0	1	1	2	21
TOT	9	76	1	86	6	12	9	27	25	48	2	75	7	4	50	61	222

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																TOT (ALL)
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				
0800 - 0815	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	6	75	1	82	6	16	12	34	29	44	1	74	1	6	39	46	202
HGV	0	5	0	5	0	4	0	4	5	2	0	7	0	0	3	3	15
TOT	6	80	1	87	6	20	12	38	34	46	1	81	1	6	42	49	217
0815 - 0830	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	7	49	3	59	2	15	13	30	38	53	1	92	3	2	46	51	202
HGV	0	3	0	3	0	3	0	3	5	3	0	8	2	2	5	9	20
TOT	7	52	3	62	2	18	13	33	43	56	1	100	5	4	51	60	222
0830 - 0845	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	5	35	5	45	2	30	13	45	39	37	4	80	5	6	40	51	176
HGV	0	7	0	7	0	1	0	1	0	6	0	6	0	0	2	2	15
TOT	5	42	5	52	2	31	13	46	39	43	4	86	5	6	42	53	191
0845 - 0900	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	1	33	2	36	3	27	10	40	37	36	0	73	1	10	35	46	155
HGV	0	8	0	8	0	0	0	0	2	12	0	14	0	0	0	0	22
TOT	1	41	2	44	3	27	10	40	39	48	0	87	1	10	35	46	177

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				TOT (ALL)
0900 - 0915	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	
LIGHT	6	36	4	46	1	14	9	24	31	38	0	69	5	16	46	67	182
HGV	0	2	0	2	0	0	1	1	0	10	0	10	3	0	0	3	15
TOT	6	38	4	48	1	14	10	25	31	48	0	79	8	16	46	70	197
0915 - 0930	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	9	38	3	50	3	11	7	21	23	36	2	61	4	9	30	43	154
HGV	0	5	0	5	0	1	0	1	3	4	0	7	0	0	2	2	14
TOT	9	43	3	55	3	12	7	22	26	40	2	68	4	9	32	45	168
0930 - 0945	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	5	42	0	47	1	8	6	15	33	35	0	68	4	9	34	47	162
HGV	0	4	0	4	0	0	0	0	1	4	0	5	0	3	0	3	12
TOT	5	46	0	51	1	8	6	15	34	39	0	73	4	12	34	50	174
0945 - 1000	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	2	30	0	32	3	8	0	11	24	39	1	64	2	6	20	28	124
HGV	0	8	0	8	0	1	0	1	0	5	0	5	0	0	1	1	14
TOT	2	38	0	40	3	9	0	12	24	44	1	69	2	6	21	29	138

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				TOT (ALL)
0700 - 1000	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	
LIGHT	63	597	19	679	32	156	94	282	305	453	13	771	39	78	451	568	2018
HGV	3	59	0	62	0	12	3	15	25	62	0	87	5	7	16	28	177
TOT	66	656	19	741	32	168	97	297	330	515	13	858	44	85	467	596	2195

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				TOT (ALL)
	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	
1600 - 1615																	
LIGHT	10	65	4	79	0	15	10	25	39	47	7	93	1	18	44	63	235
HGV	0	3	0	3	0	0	0	0	1	4	0	5	0	1	1	2	10
TOT	10	68	4	82	0	15	10	25	40	51	7	98	1	19	45	65	245
1615 - 1630																	
LIGHT	4	37	8	49	1	21	6	28	42	74	3	119	2	15	35	52	220
HGV	0	5	0	5	0	1	0	1	1	5	0	6	0	1	1	2	13
TOT	4	42	8	54	1	22	6	29	43	79	3	125	2	16	36	54	233
1630 - 1645																	
LIGHT	9	45	5	59	3	12	13	28	40	56	2	98	0	15	40	55	212
HGV	0	0	0	0	1	2	1	4	1	3	1	5	0	2	0	2	7
TOT	9	45	5	59	4	14	14	32	41	59	3	103	0	17	40	57	219
1645 - 1700																	
LIGHT	13	58	6	77	2	16	11	29	69	71	2	142	1	17	30	48	267
HGV	0	0	0	0	0	1	0	1	1	4	0	5	0	0	2	2	7
TOT	13	58	6	77	2	17	11	30	70	75	2	147	1	17	32	50	274

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																TOT (ALL)
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				
	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
1700 - 1715																	
LIGHT	13	62	2	77	1	14	13	28	45	58	1	104	3	14	34	51	232
HGV	1	0	0	1	0	0	1	1	1	3	0	4	0	0	0	0	5
TOT	14	62	2	78	1	14	14	29	46	61	1	108	3	14	34	51	237
1715 - 1730																	
LIGHT	14	49	8	71	4	20	6	30	56	80	4	140	2	16	30	48	259
HGV	0	2	0	2	0	0	0	0	1	3	0	4	0	3	0	3	9
TOT	14	51	8	73	4	20	6	30	57	83	4	144	2	19	30	51	268
1730 - 1745																	
LIGHT	12	51	5	68	3	29	9	41	54	100	3	157	5	14	36	55	280
HGV	0	1	0	1	0	0	0	0	0	2	0	2	0	2	0	2	5
TOT	12	52	5	69	3	29	9	41	54	102	3	159	5	16	36	57	285
1745 - 1800																	
LIGHT	7	53	2	62	3	16	7	26	53	57	0	110	5	25	45	75	247
HGV	0	2	0	2	0	1	0	1	1	0	0	1	0	0	2	2	5
TOT	7	55	2	64	3	17	7	27	54	57	0	111	5	25	47	77	252

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				TOT (ALL)
1800 - 1815	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	
LIGHT	11	43	3	57	2	15	6	23	36	73	4	113	5	18	33	56	226
HGV	0	0	0	0	0	0	0	0	0	1	0	1	0	0	0	0	1
TOT	11	43	3	57	2	15	6	23	36	74	4	114	5	18	33	56	227
1815 - 1830	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	6	31	3	40	0	9	4	13	40	47	1	88	2	15	26	43	171
HGV	0	0	0	0	0	1	0	1	0	1	0	1	0	0	0	0	1
TOT	6	31	3	40	0	10	4	14	40	48	1	89	2	15	26	43	172
1830 - 1845	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	5	30	3	38	2	19	5	26	34	43	1	78	5	13	24	42	158
HGV	0	2	0	2	0	1	0	1	0	0	0	0	0	2	0	2	4
TOT	5	32	3	40	2	20	5	27	34	43	1	78	5	15	24	44	162
1845 - 1900	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	5	27	3	35	2	19	10	31	38	65	0	103	4	31	21	56	194
HGV	0	2	0	2	0	0	0	0	4	0	0	4	0	0	0	0	6
TOT	5	29	3	37	2	19	10	31	42	65	0	107	4	31	21	56	200

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):																
	B4265 (SB)				EGLWYS BREWIS ROAD				B4265 (NB)				BOVERTON ROAD				TOT (ALL)
1600 - 1900	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	LEFT	AHEAD	RIGHT	TOT	
LIGHT	109	551	52	712	23	205	100	328	546	771	28	1345	35	211	398	644	2701
HGV	1	17	0	18	1	7	2	10	11	26	1	38	0	11	6	17	73
TOT	110	568	52	730	24	212	102	338	557	797	29	1383	35	222	404	661	2774

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
0700 - 0715	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
LIGHT	15	68	83	3	7	10	44	11	55	148
HGV	0	1	1	0	0	0	2	0	2	3
TOT	15	69	84	3	7	10	46	11	57	151
0715 - 0730	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	19	79	98	5	4	9	31	13	44	151
HGV	0	6	6	2	0	2	7	1	8	16
TOT	19	85	104	7	4	11	38	14	52	167
0730 - 0745	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	20	103	123	4	6	10	39	16	55	188
HGV	0	6	6	0	0	0	4	0	4	10
TOT	20	109	129	4	6	10	43	16	59	198
0745 - 0800	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	45	83	128	9	5	14	69	20	89	231
HGV	1	5	6	2	0	2	13	1	14	22
TOT	46	88	134	11	5	16	82	21	103	253

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
0800 - 0815										
LIGHT	25	98	123	4	10	14	56	6	62	199
HGV	0	8	8	0	1	1	5	0	5	14
TOT	25	106	131	4	11	15	61	6	67	213
0815 - 0830										
LIGHT	10	85	95	10	14	24	78	12	90	209
HGV	1	6	7	0	0	0	9	1	10	17
TOT	11	91	102	10	14	24	87	13	100	226
0830 - 0845										
LIGHT	7	66	73	5	14	19	70	10	80	172
HGV	0	10	10	2	1	3	2	1	3	16
TOT	7	76	83	7	15	22	72	11	83	188
0845 - 0900										
LIGHT	16	56	72	3	13	16	59	9	68	156
HGV	1	8	9	0	2	2	13	0	13	24
TOT	17	64	81	3	15	18	72	9	81	180

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
0900 - 0915	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
LIGHT	20	60	80	13	15	28	55	10	65	173
HGV	0	2	2	0	0	0	8	2	10	12
TOT	20	62	82	13	15	28	63	12	75	185
0915 - 0930	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	10	64	74	4	10	14	52	1	53	141
HGV	2	5	7	0	1	1	5	1	6	14
TOT	12	69	81	4	11	15	57	2	59	155
0930 - 0945	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	6	71	77	7	2	9	64	5	69	155
HGV	1	4	5	1	1	2	4	0	4	11
TOT	7	75	82	8	3	11	68	5	73	166
0945 - 1000	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	TOT (ALL)
LIGHT	7	45	52	5	9	14	63	8	71	137
HGV	0	9	9	0	0	0	4	2	6	15
TOT	7	54	61	5	9	14	67	10	77	152

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
0700 - 1000	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
LIGHT	200	878	1078	72	109	181	680	121	801	2060
HGV	6	70	76	7	6	13	76	9	85	174
TOT	206	948	1154	79	115	194	756	130	886	2234

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
1600 - 1615										
LIGHT	14	95	109	18	28	46	83	7	90	245
HGV	0	2	2	0	1	1	5	0	5	8
TOT	14	97	111	18	29	47	88	7	95	253
1615 - 1630										
LIGHT	4	63	67	17	23	40	83	5	88	195
HGV	0	6	6	0	1	1	3	2	5	12
TOT	4	69	73	17	24	41	86	7	93	207
1630 - 1645										
LIGHT	10	102	112	14	24	38	89	7	96	246
HGV	0	4	4	0	1	1	3	1	4	9
TOT	10	106	116	14	25	39	92	8	100	255
1645 - 1700										
LIGHT	8	68	76	8	18	26	100	6	106	208
HGV	0	2	2	1	0	1	4	0	4	7
TOT	8	70	78	9	18	27	104	6	110	215

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
1700 - 1715										
LIGHT	11	84	95	16	28	44	81	3	84	223
HGV	0	0	0	0	0	0	3	0	3	3
TOT	11	84	95	16	28	44	84	3	87	226
1715 - 1730										
LIGHT	15	81	96	8	19	27	111	12	123	246
HGV	0	0	0	1	2	3	1	1	2	5
TOT	15	81	96	9	21	30	112	13	125	251
1730 - 1745										
LIGHT	14	73	87	10	22	32	132	3	135	254
HGV	0	2	2	0	2	2	1	0	1	5
TOT	14	75	89	10	24	34	133	3	136	259
1745 - 1800										
LIGHT	17	82	99	12	16	28	103	7	110	237
HGV	0	3	3	0	0	0	2	0	2	5
TOT	17	85	102	12	16	28	105	7	112	242

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
1800 - 1815										
LIGHT	7	81	88	9	18	27	93	4	97	212
HGV	0	3	3	0	0	0	0	0	0	3
TOT	7	84	91	9	18	27	93	4	97	215
1815 - 1830										
LIGHT	10	56	66	11	11	22	71	1	72	160
HGV	0	0	0	0	0	0	1	1	2	2
TOT	10	56	66	11	11	22	72	2	74	162
1830 - 1845										
LIGHT	7	47	54	6	11	17	93	5	98	169
HGV	0	0	0	0	0	0	0	0	0	0
TOT	7	47	54	6	11	17	93	5	98	169
1845 - 1900										
LIGHT	11	40	51	10	10	20	90	5	95	166
HGV	0	2	2	0	0	0	0	0	0	2
TOT	11	42	53	10	10	20	90	5	95	168

CLASSIFIED VEHICLE TURNING SURVEY
B4265 / LLANTWIT ROAD, BOVERTON
THURSDAY 17/07/2014

15 MIN COUNT	COUNT OF VEHICLES ENTERING JUNCTION FROM (AND TURNING):									
	B4265 (SB)			LLANTWIT ROAD			B4265 (NB)			TOT (ALL)
	LEFT	AHEAD	TOT	LEFT	RIGHT	TOT	AHEAD	RIGHT	TOT	
1600 - 1900										
LIGHT	128	872	1000	139	228	367	1129	65	1194	2561
HGV	0	24	24	2	7	9	23	5	28	61
TOT	128	896	1024	141	235	376	1152	70	1222	2622

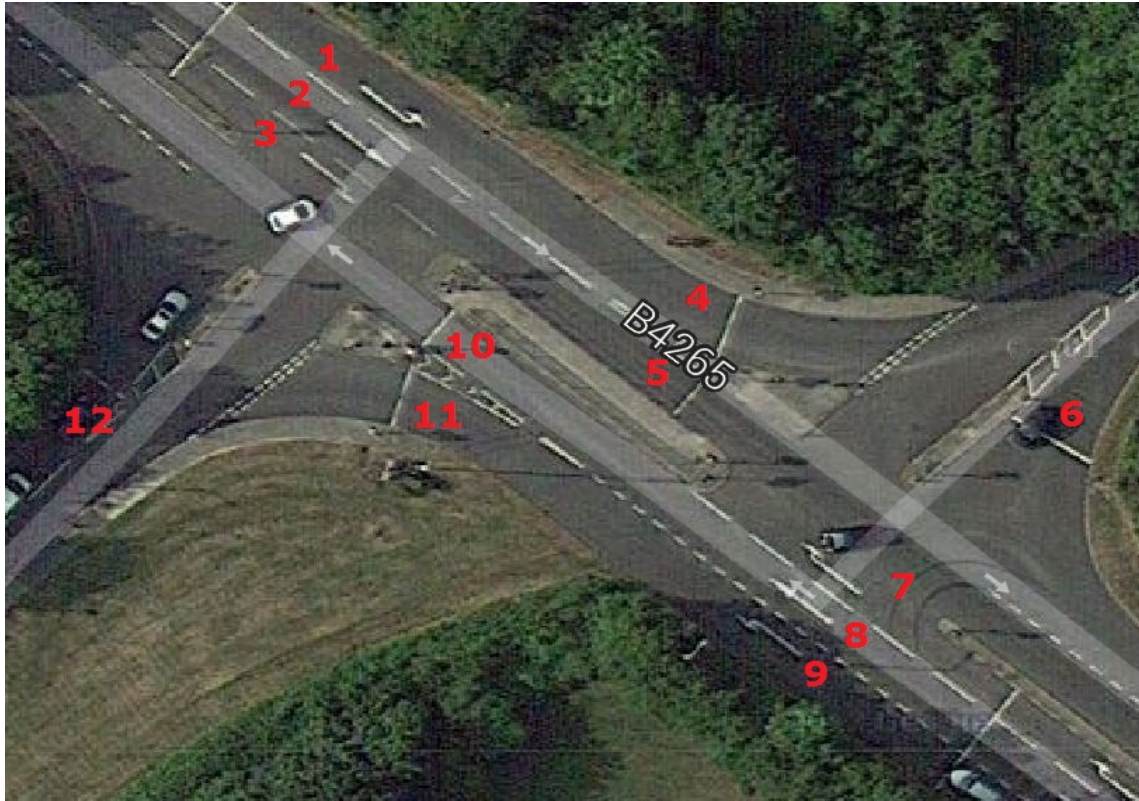
VEHICLE QUEUE LENGTH SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

NUMBER OF STATIONARY VEHICLES QUEUING ON APPROACH TO JUNCTION:												
TIME	LANE 1	LANE 2	LANE 3	LANE 4	LANE 5	LANE 6	LANE 7	LANE 8	LANE 9	LANE 10	LANE 11	LANE 12
07:00	0	4	0	0	3	1	0	2	1	0	0	2
07:05	0	11	0	0	3	1	1	4	2	0	0	3
07:10	1	2	0	0	3	2	1	8	2	1	0	2
07:15	1	9	0	0	5	3	0	6	1	1	0	3
07:20	1	2	0	0	6	2	0	1	1	2	0	6
07:25	1	7	0	2	5	2	0	3	1	3	0	7
07:30	2	7	0	0	6	2	0	4	2	0	0	6
07:35	0	7	0	0	5	2	0	2	2	1	0	4
07:40	0	12	0	0	6	1	0	1	0	1	0	5
07:45	0	8	0	0	6	3	0	8	3	2	0	7
07:50	1	4	0	0	7	3	0	2	2	1	0	9
07:55	1	6	1	0	7	6	0	7	3	2	0	6
08:00	1	9	0	0	2	4	0	4	1	2	0	6
08:05	0	6	1	0	3	5	0	3	2	2	0	3
08:10	1	3	0	0	5	5	0	5	2	0	0	4
08:15	1	1	1	0	6	2	0	9	6	2	0	5
08:20	0	0	1	0	5	5	1	7	4	3	0	10
08:25	0	0	0	0	6	5	0	0	0	0	0	12
08:30	2	5	0	0	6	5	1	3	7	2	0	2
08:35	1	3	0	0	3	4	1	4	2	2	0	5
08:40	1	1	2	0	4	6	0	5	1	2	0	7
08:45	0	1	1	0	2	4	0	4	0	0	0	3
08:50	0	0	0	0	4	2	0	9	4	2	0	4
08:55	1	2	1	0	0	5	1	6	2	1	0	6
09:00	1	2	0	0	3	3	0	2	3	2	0	4
09:05	0	2	1	2	4	3	1	4	3	2	0	8
09:10	0	0	0	0	4	0	0	3	2	0	0	1
09:15	0	8	1	0	4	0	0	2	0	1	0	4
09:20	0	0	1	0	3	2	0	0	0	0	0	3
09:25	0	0	1	0	2	3	0	3	2	0	0	3
09:30	0	0	0	0	4	1	0	3	0	0	0	7
09:35	0	0	2	0	6	1	0	4	0	0	0	6
09:40	0	6	0	0	0	1	0	0	3	0	0	0
09:45	1	2	0	0	2	2	0	0	2	0	0	2
09:50	0	4	0	0	1	2	0	2	0	0	0	2
09:55	0	0	0	0	2	2	0	2	3	0	0	3

VEHICLE QUEUE LENGTH SURVEY
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014

NUMBER OF STATIONARY VEHICLES QUEUING ON APPROACH TO JUNCTION:												
TIME	LANE 1	LANE 2	LANE 3	LANE 4	LANE 5	LANE 6	LANE 7	LANE 8	LANE 9	LANE 10	LANE 11	LANE 12
16:00	3	6	1	0	4	3	1	8	4	1	0	5
16:05	0	8	1	0	7	3	1	6	4	1	0	7
16:10	2	6	1	0	6	4	2	5	1	1	0	8
16:15	1	3	2	0	6	3	0	6	5	1	0	6
16:20	0	2	2	0	3	3	0	8	2	1	0	4
16:25	1	3	1	0	3	4	1	4	4	1	0	4
16:30	1	5	2	0	3	3	1	4	4	2	0	4
16:35	2	7	1	0	4	4	0	5	4	1	0	4
16:40	3	5	2	0	6	3	0	3	5	1	0	8
16:45	0	2	1	0	2	2	0	5	4	1	0	4
16:50	2	8	0	0	5	6	1	4	5	2	0	4
16:55	1	9	1	0	5	2	1	7	3	1	0	5
17:00	1	4	1	0	4	6	0	2	1	1	0	6
17:05	1	4	1	0	0	7	0	9	6	3	0	7
17:10	2	7	1	0	2	5	0	8	7	5	0	2
17:15	2	3	1	0	3	2	0	3	2	0	0	5
17:20	1	6	0	0	5	1	1	9	5	1	0	8
17:25	1	10	0	0	3	3	1	8	5	2	0	3
17:30	1	5	2	0	4	3	1	5	1	1	0	5
17:35	3	7	1	0	8	4	0	4	6	4	0	8
17:40	1	5	1	0	4	4	0	7	7	1	0	6
17:45	0	3	0	0	4	1	1	4	4	0	0	6
17:50	1	4	1	0	3	5	2	3	4	0	0	7
17:55	0	4	0	0	2	3	0	1	1	1	0	2
18:00	1	3	1	0	3	1	0	8	4	1	0	4
18:05	0	3	0	0	6	1	0	3	4	0	0	7
18:10	1	5	0	0	2	2	1	8	2	1	0	4
18:15	0	5	0	0	1	2	0	1	0	1	0	2
18:20	0	1	0	0	0	1	0	6	2	0	0	1
18:25	0	0	0	0	0	3	0	1	3	1	0	1
18:30	1	3	0	0	0	1	0	0	0	0	0	3
18:35	1	1	0	0	0	1	0	0	0	0	0	0
18:40	1	2	1	0	2	1	0	1	0	0	0	2
18:45	0	1	1	0	4	1	0	9	10	0	0	7
18:50	0	4	0	0	1	2	0	2	2	0	0	1
18:55	1	0	0	0	2	0	1	1	0	0	0	3

VEHICLE QUEUE LENGTH SURVEY - LANE IDENTIFICATION REFERENCE PLAN
B4265 / EGLWYS BREWIS ROAD / BOVERTON ROAD, BOVERTON
THURSDAY 17/07/2014



VEHICLE QUEUE LENGTH SURVEY
B4265 / LLANTWIT ROAD, BOVERTON - THURSDAY 17/07/2014

NUMBER OF STATIONARY VEHICLES QUEUING ON APPROACH TO JUNCTION:				
TIME	B4265 (NB)		LLANTWIT ROAD	B4265 (SB)
	LANE 1	LANE 2	LANE 1	LANE 1
07:00	0	0	0	0
07:05	0	0	0	0
07:10	0	0	0	0
07:15	0	0	0	0
07:20	0	0	0	0
07:25	0	0	0	0
07:30	0	0	0	0
07:35	0	0	0	0
07:40	0	0	0	0
07:45	0	0	0	0
07:50	0	0	0	0
07:55	0	0	0	0
08:00	0	0	0	0
08:05	0	0	0	0
08:10	0	0	1	0
08:15	0	0	0	0
08:20	0	0	1	0
08:25	0	0	0	0
08:30	0	0	0	0
08:35	0	0	2	0
08:40	0	0	0	0
08:45	0	0	0	0
08:50	0	0	2	0
08:55	0	0	0	0
09:00	0	0	1	0
09:05	0	0	1	0
09:10	0	0	0	0
09:15	0	0	1	0
09:20	0	0	0	0
09:25	0	0	0	0
09:30	0	0	0	0
09:35	0	0	0	0
09:40	0	0	0	0
09:45	0	0	0	0
09:50	0	0	0	0
09:55	0	0	0	0

VEHICLE QUEUE LENGTH SURVEY
B4265 / LLANTWIT ROAD, BOVERTON - THURSDAY 17/07/2014

NUMBER OF STATIONARY VEHICLES QUEUING ON APPROACH TO JUNCTION:				
TIME	B4265 (NB)		LLANTWIT ROAD	B4265 (SB)
	LANE 1	LANE 2	LANE 1	LANE 1
16:00	0	0	1	0
16:05	0	0	0	0
16:10	0	0	0	0
16:15	0	0	1	0
16:20	0	0	2	0
16:25	0	0	2	0
16:30	0	0	0	0
16:35	0	0	1	0
16:40	0	0	2	0
16:45	0	0	1	0
16:50	0	0	0	0
16:55	0	0	0	0
17:00	0	0	0	0
17:05	0	0	0	0
17:10	0	0	0	0
17:15	0	0	0	0
17:20	0	1	0	0
17:25	0	0	0	0
17:30	0	0	0	0
17:35	0	0	2	0
17:40	0	0	0	0
17:45	0	0	0	0
17:50	0	0	1	0
17:55	0	0	0	0
18:00	0	0	0	0
18:05	0	0	0	0
18:10	0	0	1	0
18:15	0	0	0	0
18:20	0	0	1	0
18:25	0	0	0	0
18:30	0	0	0	0
18:35	0	0	0	0
18:40	0	0	1	0
18:45	0	0	0	0
18:50	0	0	0	0
18:55	0	0	0	0

PEDESTRIAN CROSSING USAGE SURVEY
B4265 / LLANTWIT ROAD, BOVERTON - THURSDAY 17/07/2014

15 MINUTE COUNT FROM	CROSSING USERS TOWARDS LLANTWIT ROAD	CROSSING USERS FROM LLANTWIT ROAD	NO. OF SIGNAL CHANGES
0700	0	1	0
0715	2	0	0
0730	1	1	0
0745	2	0	1
0800	1	24	0
0815	1	4	2
0830	2	2	1
0845	24	3	2
0900	13	3	2
0915	0	2	0
0930	7	0	2
0945	0	2	0
TOTAL	53	42	10

PEDESTRIAN CROSSING USAGE SURVEY
B4265 / LLANTWIT ROAD, BOVERTON - THURSDAY 17/07/2014

15 MINUTE COUNT FROM	CROSSING USERS TOWARDS LLANTWIT ROAD	CROSSING USERS FROM LLANTWIT ROAD	NO. OF SIGNAL CHANGES
1600	2	0	0
1615	2	0	1
1630	1	0	0
1645	0	0	0
1700	1	0	0
1715	0	0	0
1730	1	4	1
1745	1	0	0
1800	2	2	1
1815	0	5	1
1830	0	7	1
1845	9	0	2
TOTAL	19	18	7

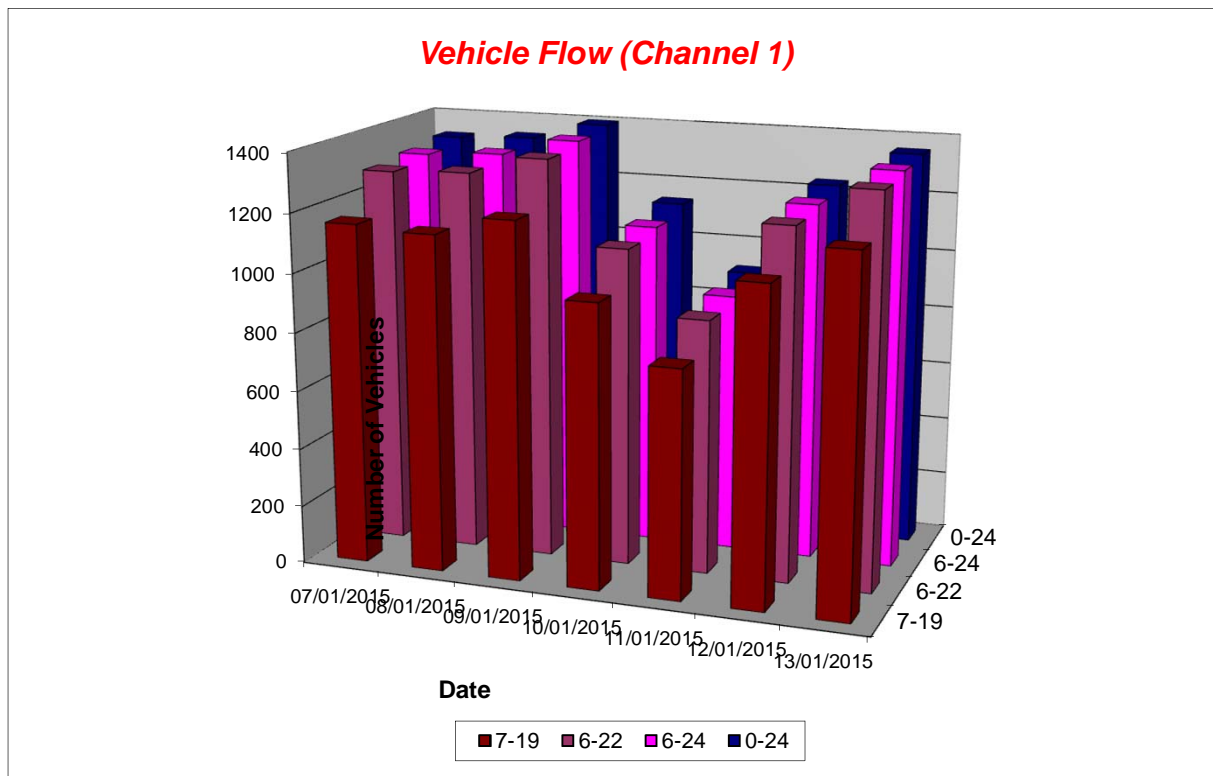
(1412 10) Boverton ATC, Eglwys Bevis Road

Channel 1 - Westbound

Vehicle Flow

Week 1

Hr Ending	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday	5 Day Ave	7 Day Ave
1	4	3	1	12	5	1	3	2	4
2	2	1	0	5	3	3	0	1	2
3	1	0	3	5	4	2	0	1	2
4	0	0	0	3	3	2	0	0	1
5	2	3	1	1	3	3	2	2	2
6	11	10	11	5	4	6	6	9	8
7	30	40	31	9	3	28	28	31	24
8	92	80	89	29	9	85	79	85	66
9	185	179	169	61	23	179	171	177	138
10	83	79	90	76	65	61	87	80	77
11	77	79	65	97	105	61	79	72	80
12	77	86	96	112	85	86	91	87	90
13	92	84	98	98	91	80	88	88	90
14	72	80	73	98	69	67	81	75	77
15	100	107	115	73	99	90	89	100	96
16	114	93	123	95	80	105	116	110	104
17	109	126	101	72	51	109	131	115	100
18	79	88	100	80	59	82	94	89	83
19	81	65	92	76	42	67	89	79	73
20	51	60	62	46	40	52	52	55	52
21	28	30	37	37	28	26	35	31	32
22	20	25	22	25	20	21	19	21	22
23	12	13	12	13	15	10	10	11	12
24	5	8	7	8	3	8	6	7	6
7-19	1161	1146	1211	967	778	1072	1195	1157	1076
6-22	1290	1301	1363	1084	869	1199	1329	1296	1205
6-24	1307	1322	1382	1105	887	1217	1345	1315	1224
0-24	1327	1339	1398	1136	909	1234	1356	1331	1243



(1412 10) Boverton ATC, Eglwys Bevis Road

Channel 1 - Westbound

Average Speed

Week 1

Hr Ending	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday
1	28.0	25.0	24.0	32.3	28.6	43.0	31.3
2	38.0	26.0	-	29.8	25.0	30.7	-
3	11.0	-	29.3	24.4	32.0	20.5	-
4	-	-	-	30.3	35.7	34.5	-
5	37.0	32.3	37.0	37.0	36.0	29.0	23.5
6	31.5	31.0	31.2	28.8	31.5	26.5	30.8
7	30.6	29.8	28.7	28.8	27.3	29.3	31.4
8	28.1	29.3	27.0	29.3	33.1	28.4	29.3
9	28.6	27.8	28.5	28.9	31.3	28.7	28.9
10	29.7	30.3	29.0	30.4	28.9	29.3	30.1
11	29.3	28.3	31.5	31.2	28.8	30.0	29.4
12	30.3	29.9	30.7	29.4	29.8	28.1	29.4
13	30.3	30.3	28.8	30.7	30.3	29.4	30.9
14	29.4	30.3	31.7	30.5	29.8	29.8	30.4
15	28.4	30.7	28.7	31.3	30.5	30.5	30.7
16	28.6	29.7	29.4	29.8	30.3	28.7	29.0
17	28.7	29.0	28.1	29.6	31.1	28.3	28.8
18	28.0	29.3	28.0	29.1	28.7	28.0	28.6
19	29.0	30.1	27.6	30.5	30.7	27.5	28.6
20	29.7	31.0	30.7	30.7	30.4	28.1	29.3
21	32.0	30.5	30.1	31.9	30.5	31.5	31.7
22	30.1	30.7	29.4	31.2	29.2	28.1	28.7
23	29.4	33.8	32.2	29.6	30.7	26.5	33.9
24	32.2	31.8	28.0	30.8	32.3	28.4	31.3
10-12	29.8	29.2	31.0	30.2	29.3	28.9	29.4
14-16	28.5	30.2	29.0	30.5	30.4	29.5	29.7
0-24	29.2	29.6	29.1	30.2	30.0	28.8	29.5

7 Day Ave 29.5

Channel 1 - Westbound

85th Percentile

Hr Ending	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday
1	30.2	25.7	-	39.7	32.8	-	39.3
2	42.2	-	-	33.8	26.4	32.1	-
3	-	-	38.2	26.0	37.9	27.2	-
4	-	-	-	33.6	38.0	35.6	-
5	39.1	35.5	-	-	37.4	32.1	25.3
6	38.0	36.3	36.0	32.6	36.7	35.8	35.0
7	35.0	35.2	35.0	33.8	33.1	33.0	37.0
8	34.4	35.0	32.8	35.8	37.0	34.0	35.0
9	34.4	34.3	35.0	35.0	37.7	34.0	35.0
10	35.0	36.3	34.7	36.8	35.0	36.0	35.0
11	35.0	34.3	36.0	36.6	35.0	35.0	35.0
12	36.0	35.0	36.8	35.0	34.0	35.0	34.5
13	36.4	35.6	35.0	38.5	35.0	35.0	35.0
14	35.0	35.3	38.0	37.0	36.8	36.1	38.0
15	35.0	37.0	35.0	37.2	35.3	36.0	37.0
16	35.0	36.0	35.0	35.9	36.2	35.0	34.0
17	34.8	35.0	34.0	35.0	38.0	34.8	34.0
18	34.0	35.0	34.0	34.2	35.0	33.0	35.0
19	35.0	35.8	33.0	36.8	35.0	34.1	35.0
20	34.5	37.0	36.9	36.3	37.0	34.0	35.4
21	39.9	36.0	35.0	38.0	35.0	39.3	38.0
22	34.0	36.4	34.9	38.4	33.3	31.0	35.3
23	36.4	37.2	38.2	35.6	38.6	31.0	42.3
24	39.4	40.6	34.5	36.8	37.5	34.9	40.3
10-12	35.0	34.3	36.0	36.6	35.0	35.0	35.0
14-16	35.0	36.2	35.0	37.0	36.0	36.0	35.4
0-24	35.0	35.0	35.0	36.0	35.0	35.0	35.0

7 Day Ave 35.0

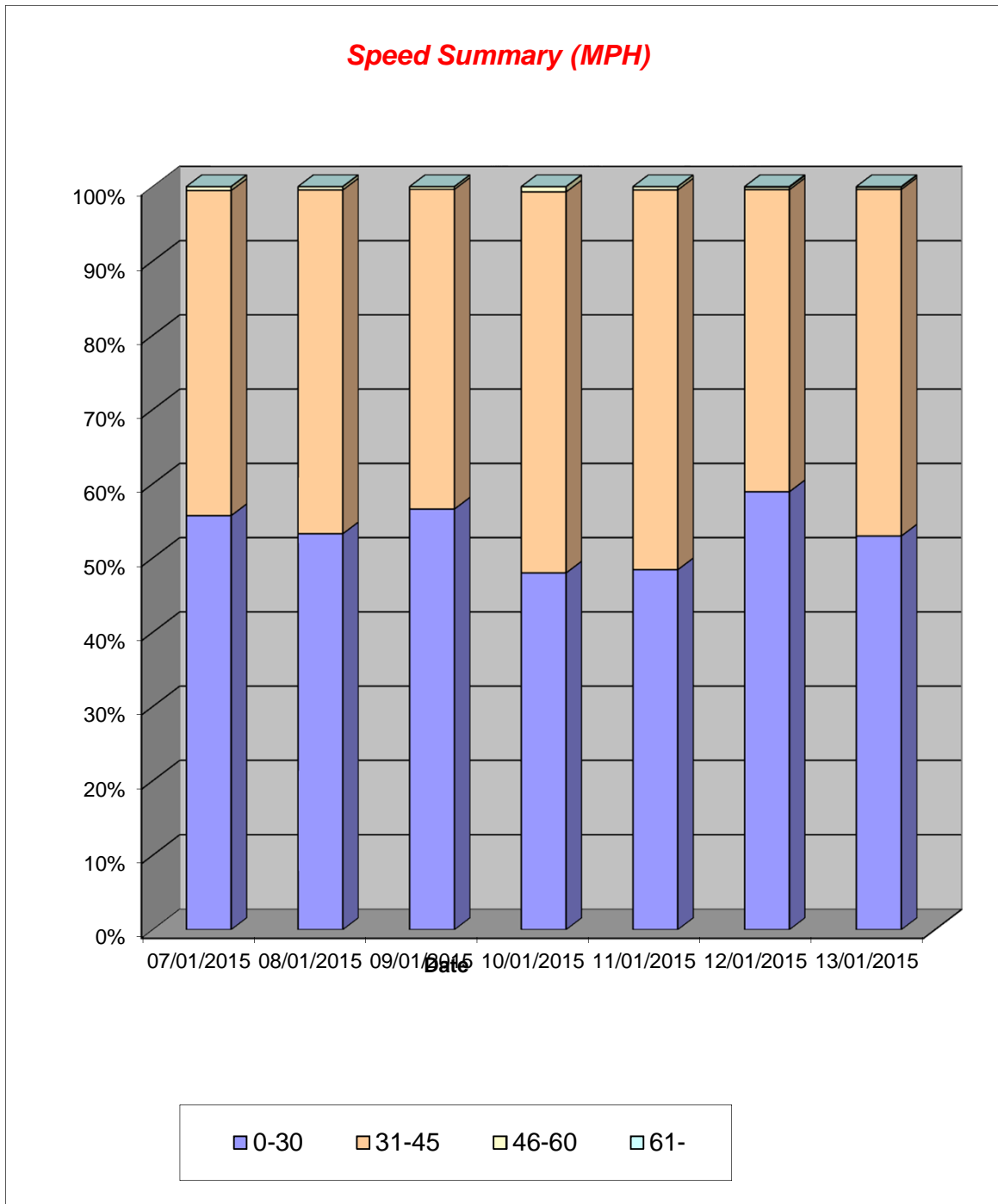
(1412 10) Boverton ATC, Eglwys Bevis Road

Channel 1 - Westbound

Speed Summary

Week 1

Speed (MPH)	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday
0-30	739	713	791	545	440	727	718
31-45	581	620	602	583	465	502	633
46-60	7	6	5	8	4	4	4
61-	0	0	0	0	0	1	1
TOTAL	1327	1339	1398	1136	909	1234	1356



(1412 10) Boverton ATC, Eglwys Bevis Road

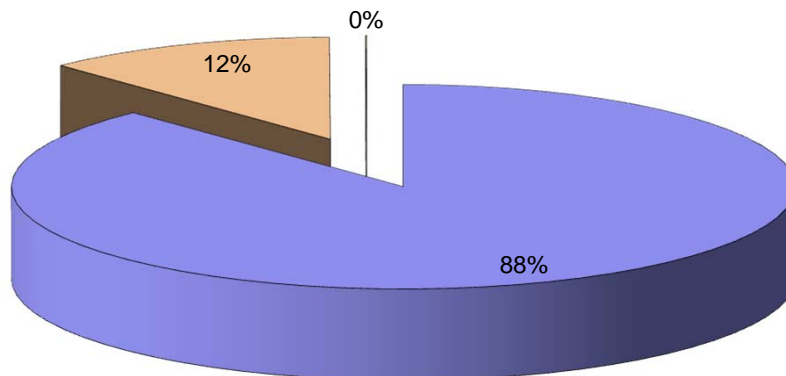
Channel 1 - Westbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
07/01/2015				
7-19	1021	139	1	1161
6-22	1135	154	1	1290
6-24	1149	157	1	1307
0-24	1163	163	1	1327
08/01/2015				
7-19	973	173	0	1146
6-22	1112	189	0	1301
6-24	1131	191	0	1322
0-24	1146	193	0	1339
09/01/2015				
7-19	1077	133	1	1211
6-22	1210	152	1	1363
6-24	1225	156	1	1382
0-24	1238	159	1	1398
10/01/2015				
7-19	869	97	1	967
6-22	974	109	1	1084
6-24	993	111	1	1105
0-24	1020	115	1	1136
11/01/2015				
7-19	729	49	0	778
6-22	811	58	0	869
6-24	826	61	0	887
0-24	844	65	0	909
12/01/2015				
7-19	920	151	1	1072
6-22	1028	170	1	1199
6-24	1045	171	1	1217
0-24	1061	172	1	1234
13/01/2015				
7-19	1030	165	0	1195
6-22	1152	177	0	1329
6-24	1164	181	0	1345
0-24	1173	183	0	1356
Average				
7-19	946	130	1	1076
6-22	1060	144	1	1205
6-24	1076	147	1	1224
0-24	1092	150	1	1243

Total Vehicle Class Distribution



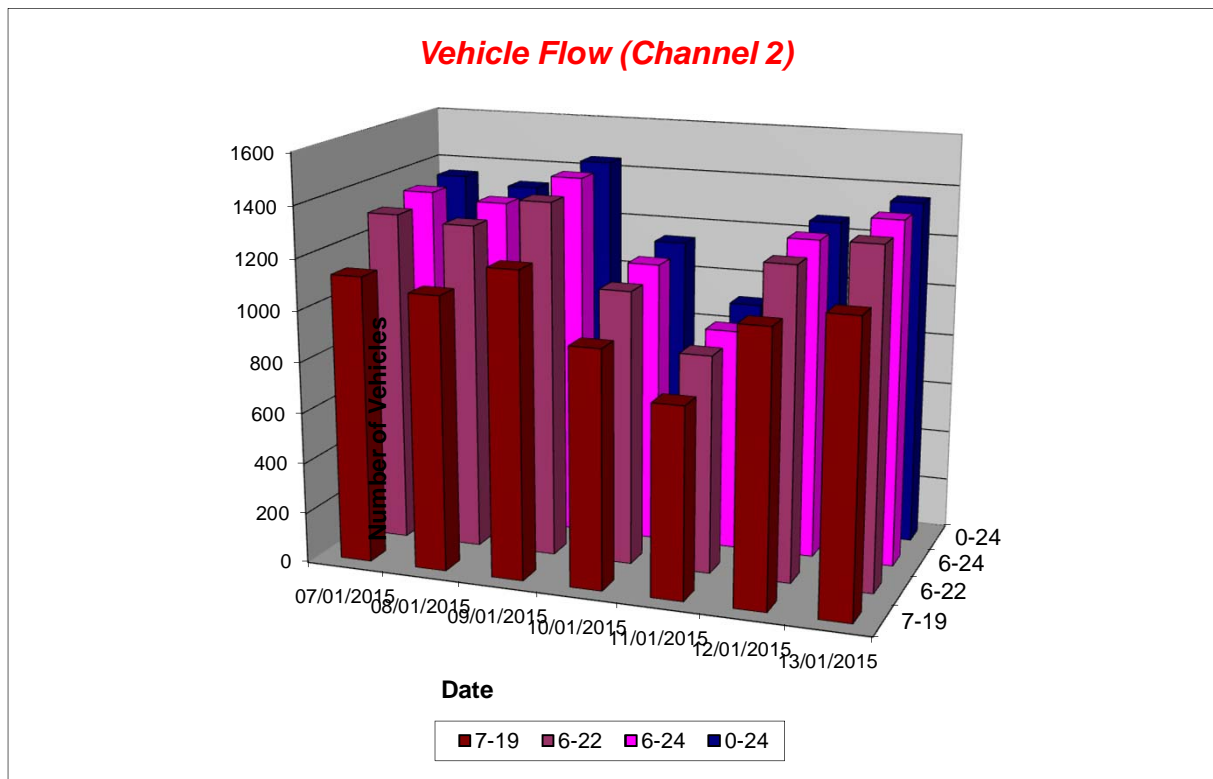
(1412 10) Boverton ATC, Eglwys Bevis Road

Channel 2 - Eastbound

Vehicle Flow

Week 1

Hr Ending	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday	5 Day Ave	7 Day Ave
1	5	6	2	10	14	0	2	3	6
2	2	0	2	7	7	2	0	1	3
3	1	0	1	4	5	1	0	1	2
4	0	0	0	2	4	0	1	0	1
5	2	3	1	0	1	3	4	3	2
6	4	1	6	2	2	2	1	3	3
7	11	16	18	7	5	10	12	13	11
8	67	65	63	12	13	63	64	64	50
9	99	73	95	14	15	79	71	83	64
10	68	74	75	45	37	74	78	74	64
11	78	59	61	84	65	62	77	67	69
12	71	74	95	112	86	89	83	82	87
13	85	80	94	93	101	72	101	86	89
14	89	62	97	92	77	77	71	79	81
15	74	78	73	110	83	74	83	76	82
16	161	155	161	102	87	145	139	152	136
17	107	133	140	91	70	107	143	126	113
18	134	129	140	100	66	138	109	130	117
19	95	99	108	80	52	91	117	102	92
20	78	84	87	55	51	78	83	82	74
21	56	60	62	40	29	46	57	56	50
22	34	43	26	41	21	22	36	32	32
23	20	20	25	22	15	19	22	21	20
24	14	12	15	15	4	11	8	12	11
7-19	1128	1081	1202	935	752	1071	1136	1124	1044
6-22	1307	1284	1395	1078	858	1227	1324	1307	1210
6-24	1341	1316	1435	1115	877	1257	1354	1341	1242
0-24	1355	1326	1447	1140	910	1265	1362	1351	1258



(1412 10) Boverton ATC, Eglwys Bevis Road

Channel 2 - Eastbound

Average Speed

Week 1

Hr Ending	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday
1	32.0	26.8	29.0	30.2	31.0	-	27.0
2	34.5	-	21.5	28.7	28.7	35.0	-
3	17.0	-	45.0	24.0	28.2	17.0	-
4	-	-	-	34.0	35.8	-	37.0
5	29.5	23.7	40.0	-	32.0	29.0	28.8
6	35.5	40.0	33.5	31.0	32.0	39.0	33.0
7	30.5	31.6	31.9	34.0	35.2	30.7	31.9
8	29.3	30.4	30.3	29.0	29.2	30.2	30.7
9	30.1	31.4	29.1	30.5	27.3	30.3	30.0
10	29.9	30.3	30.5	29.9	30.5	31.4	30.6
11	28.9	29.8	30.2	29.5	30.1	31.5	29.8
12	30.0	30.1	30.4	30.7	30.1	30.6	30.4
13	31.3	30.4	30.6	30.4	30.4	30.2	31.2
14	30.1	30.4	31.8	31.2	31.5	28.9	30.5
15	30.2	31.6	30.0	30.1	30.0	31.2	31.0
16	28.6	29.8	29.1	31.2	30.6	29.9	30.6
17	30.8	30.0	29.6	31.8	31.5	29.2	30.4
18	30.0	30.1	29.4	31.0	30.7	29.4	31.5
19	30.5	30.7	28.9	30.2	30.9	29.3	29.8
20	30.4	30.9	30.9	30.5	32.1	29.3	30.5
21	30.6	31.9	30.8	33.5	31.8	30.9	29.0
22	28.0	31.4	29.5	33.3	31.0	31.3	29.4
23	33.8	31.0	31.0	30.3	28.7	30.8	30.9
24	30.8	30.7	28.7	29.1	29.8	32.5	33.6
10-12	29.4	30.0	30.3	30.2	30.1	31.0	30.2
14-16	29.1	30.4	29.4	30.6	30.3	30.4	30.7
0-24	30.0	30.5	30.0	30.8	30.7	30.1	30.5

7 Day Ave 30.3

Channel 2 - Eastbound

85th Percentile

Hr Ending	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday
1	37.0	30.3	31.8	34.7	34.2	-	30.5
2	42.6	-	25.4	33.0	32.1	35.7	-
3	-	-	-	31.9	31.2	-	-
4	-	-	-	34.7	38.3	-	-
5	33.4	30.4	-	-	-	33.2	33.2
6	40.0	-	38.8	33.8	33.4	39.7	-
7	33.5	35.5	35.0	38.2	38.2	34.0	35.7
8	34.0	35.0	34.0	34.4	33.6	34.7	35.0
9	35.0	36.2	34.0	33.0	34.8	35.0	36.0
10	35.0	36.0	35.0	34.0	35.0	35.0	35.5
11	34.0	35.0	35.0	35.0	35.0	35.0	35.0
12	35.0	35.0	35.0	35.0	34.0	35.0	35.0
13	35.0	35.0	35.1	35.0	34.0	38.0	36.0
14	35.0	35.0	36.0	36.4	37.0	35.0	35.0
15	35.0	38.0	34.2	34.7	35.0	35.0	35.0
16	34.0	35.0	34.0	36.0	35.0	35.0	35.0
17	35.0	35.0	34.0	37.5	37.0	35.0	35.0
18	35.0	35.0	35.0	38.0	35.3	34.0	36.8
19	35.0	35.6	35.0	34.2	37.0	35.0	35.0
20	35.0	36.0	35.0	35.9	37.0	35.0	35.0
21	37.0	37.0	36.9	38.0	36.8	37.3	35.0
22	34.0	37.0	35.0	38.0	34.0	35.9	33.8
23	38.2	35.0	36.2	34.9	33.0	35.3	35.7
24	34.0	35.4	34.9	34.9	34.6	37.0	37.8
10-12	34.0	35.0	35.0	35.0	35.0	35.0	35.0
14-16	34.0	35.0	34.0	35.0	35.0	35.0	35.0
0-24	35.0	35.0	35.0	35.2	35.0	35.0	35.0

7 Day Ave 35.0

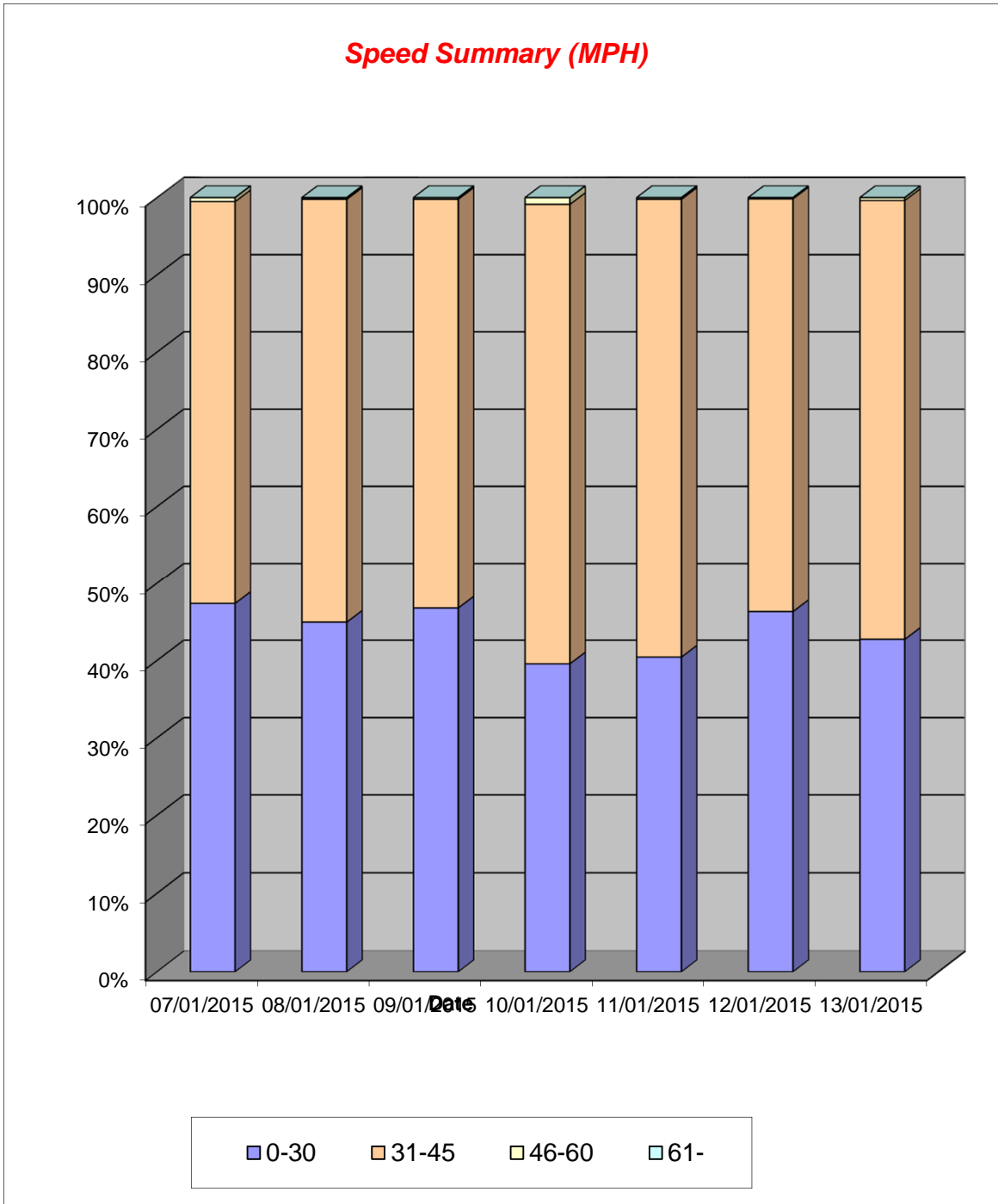
(1412 10) Boverton ATC, Eglwys Bevis Road

Channel 2 - Eastbound

Speed Summary

Week 1

Speed (MPH)	07/01/2015 Wednesday	08/01/2015 Thursday	09/01/2015 Friday	10/01/2015 Saturday	11/01/2015 Sunday	12/01/2015 Monday	13/01/2015 Tuesday
0-30	642	596	677	451	368	586	582
31-45	706	727	767	679	540	677	775
46-60	7	2	3	10	2	2	5
61-	0	1	0	0	0	0	0
TOTAL	1355	1326	1447	1140	910	1265	1362



(1412 10) Boverton ATC, Eglwys Bevis Road

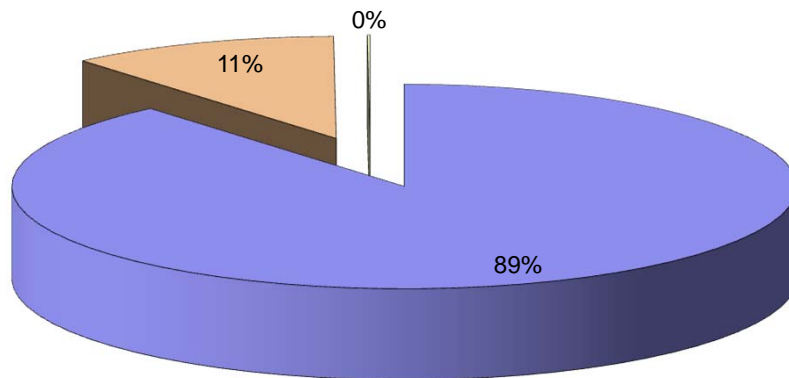
Channel 2 - Eastbound

Vehicle Class

Week 1

Classes Day / Time	Car / LGV / Caravan - 1	OGV1 / Bus - 2,3,5,6,7,12	OGV2 - 4,8,9,10,11,13	TOTAL - 1-13
07/01/2015				
7-19	1002	126	0	1128
6-22	1169	138	0	1307
6-24	1198	143	0	1341
0-24	1206	149	0	1355
08/01/2015				
7-19	942	138	1	1081
6-22	1128	155	1	1284
6-24	1158	157	1	1316
0-24	1165	160	1	1326
09/01/2015				
7-19	1078	122	2	1202
6-22	1257	136	2	1395
6-24	1293	140	2	1435
0-24	1302	143	2	1447
10/01/2015				
7-19	840	91	4	935
6-22	973	101	4	1078
6-24	1006	105	4	1115
0-24	1027	109	4	1140
11/01/2015				
7-19	691	60	1	752
6-22	790	67	1	858
6-24	805	71	1	877
0-24	832	77	1	910
12/01/2015				
7-19	936	134	1	1071
6-22	1071	155	1	1227
6-24	1100	156	1	1257
0-24	1107	157	1	1265
13/01/2015				
7-19	978	157	1	1136
6-22	1148	175	1	1324
6-24	1174	179	1	1354
0-24	1179	182	1	1362
Average				
7-19	924	118	1	1044
6-22	1077	132	1	1210
6-24	1105	136	1	1242
0-24	1117	140	1	1258

Total Vehicle Class Distribution



PONT FWA
Cerbydau uchel
defnyddiwch
ganol y ffordd



APPENDIX C: TRICS Data

TRIP RATE CALCULATION SELECTION PARAMETERS:

Land Use : 03 - RESIDENTIAL
 Category : A - HOUSES PRIVATELY OWNED
 MULTI-MODAL VEHICLES

Filtering Stage 2 selection:

Parameter: Number of dwellings
 Actual Range: 37 to 150 (units:)
 Range Selected by User: 25 to 150 (units:)

Public Transport Provision:

Selection by: Include all surveys

Date Range: 01/01/05 to 30/05/13

Selected survey days:

Monday	3 days
Tuesday	3 days
Wednesday	2 days
Thursday	1 days
Friday	1 days

Selected survey types:

Manual count	10 days
Directional ATC Count	0 days

Selected Locations:

Edge of Town	10
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Selected Location Sub Categories:

Residential Zone	6
No Sub Category	4

Filtering Stage 3 selection:

Use Class:

C3	10 days
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Population within 1 mile:

1,001 to 5,000	2 days
5,001 to 10,000	2 days
10,001 to 15,000	4 days
15,001 to 20,000	2 days

Population within 5 miles:

5,001 to 25,000	2 days
25,001 to 50,000	1 days
50,001 to 75,000	2 days
75,001 to 100,000	2 days
100,001 to 125,000	3 days

Car ownership within 5 miles:

1.1 to 1.5	10 days
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Travel Plan:

Yes	1 days
No	9 days

LIST OF SITES relevant to selection parameters

1	CB-03-A-02 HAWKSHEAD AVENUE	SEMI DETACHED		CUMBRIA
	WORKINGTON Edge of Town Residential Zone			
	Total Number of dwellings:		40	
	Survey date: MONDAY		20/06/05	Survey Type: MANUAL
2	CV-03-A-01 DUBLIN ROAD	DETACHED		CAVAN
	CAVAN Edge of Town No Sub Category			
	Total Number of dwellings:		37	
	Survey date: TUESDAY		18/12/12	Survey Type: MANUAL
3	EA-03-A-01 TALISKER AVENUE	DETACHED		EAST AYRSHIRE
	KILMARNOCK Edge of Town Residential Zone			
	Total Number of dwellings:		39	
	Survey date: THURSDAY		05/06/08	Survey Type: MANUAL
4	ES-03-A-02 SOUTH COAST ROAD	PRIVATE HOUSING		EAST SUSSEX
	PEACEHAVEN Edge of Town Residential Zone			
	Total Number of dwellings:		37	
	Survey date: FRIDAY		18/11/11	Survey Type: MANUAL
5	GA-03-A-01 HEADFORD ROAD KNOCKAYARRAGH GALWAY	SEMI DETACHED		GALWAY
	Edge of Town No Sub Category			
	Total Number of dwellings:		123	
	Survey date: WEDNESDAY		20/09/06	Survey Type: MANUAL
6	KK-03-A-03 FRESHFORD ROAD FRIARSINCH KILKENNY	MIXED HOUSING		KILKENNY
	Edge of Town Residential Zone			
	Total Number of dwellings:		70	
	Survey date: WEDNESDAY		26/11/08	Survey Type: MANUAL
7	LN-03-A-01 BRANT ROAD BRACEBRIDGE LINCOLN	MIXED HOUSES		LINCOLNSHIRE
	Edge of Town Residential Zone			
	Total Number of dwellings:		150	
	Survey date: TUESDAY		15/05/07	Survey Type: MANUAL

LIST OF SITES relevant to selection parameters (Cont.)

8	NY-03-A-05	HOUSES AND FLATS		NORTH YORKSHIRE
		BOROUGHBRIDGE ROAD		
		RIPON		
		Edge of Town		
		No Sub Category		
		Total Number of dwellings:	71	
		Survey date: MONDAY	22/09/08	Survey Type: MANUAL
9	WL-03-A-01	SEMI D./TERRACED W. BASSETT		WILTSHIRE
		MAPLE DRIVE		
		WOOTTON BASSETT		
		Edge of Town		
		Residential Zone		
		Total Number of dwellings:	99	
		Survey date: MONDAY	02/10/06	Survey Type: MANUAL
10	WO-03-A-02	SEMI DETACHED		WORCESTERSHIRE
		MEADOWHILL ROAD		
		REDDITCH		
		Edge of Town		
		No Sub Category		
		Total Number of dwellings:	48	
		Survey date: TUESDAY	02/05/06	Survey Type: MANUAL

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL VEHICLES

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	10	71	0.078	10	71	0.325	10	71	0.403
08:00 - 09:00	10	71	0.155	10	71	0.482	10	71	0.637
09:00 - 10:00	10	71	0.186	10	71	0.252	10	71	0.438
10:00 - 11:00	10	71	0.140	10	71	0.182	10	71	0.322
11:00 - 12:00	10	71	0.179	10	71	0.182	10	71	0.361
12:00 - 13:00	10	71	0.238	10	71	0.230	10	71	0.468
13:00 - 14:00	10	71	0.261	10	71	0.237	10	71	0.498
14:00 - 15:00	10	71	0.245	10	71	0.235	10	71	0.480
15:00 - 16:00	10	71	0.286	10	71	0.216	10	71	0.502
16:00 - 17:00	10	71	0.356	10	71	0.262	10	71	0.618
17:00 - 18:00	10	71	0.466	10	71	0.246	10	71	0.712
18:00 - 19:00	10	71	0.314	10	71	0.232	10	71	0.546
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			2.904			3.081			5.985

Parameter summary

Trip rate parameter range selected: 37 - 150 (units:)
 Survey date date range: 01/01/05 - 30/05/13
 Number of weekdays (Monday-Friday): 10
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL CYCLISTS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	10	71	0.006	10	71	0.017	10	71	0.023
08:00 - 09:00	10	71	0.003	10	71	0.008	10	71	0.011
09:00 - 10:00	10	71	0.010	10	71	0.006	10	71	0.016
10:00 - 11:00	10	71	0.001	10	71	0.004	10	71	0.005
11:00 - 12:00	10	71	0.000	10	71	0.001	10	71	0.001
12:00 - 13:00	10	71	0.006	10	71	0.004	10	71	0.010
13:00 - 14:00	10	71	0.001	10	71	0.003	10	71	0.004
14:00 - 15:00	10	71	0.000	10	71	0.003	10	71	0.003
15:00 - 16:00	10	71	0.008	10	71	0.003	10	71	0.011
16:00 - 17:00	10	71	0.014	10	71	0.014	10	71	0.028
17:00 - 18:00	10	71	0.027	10	71	0.011	10	71	0.038
18:00 - 19:00	10	71	0.018	10	71	0.010	10	71	0.028
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.094			0.084			0.178

Parameter summary

Trip rate parameter range selected: 37 - 150 (units:)
 Survey date date range: 01/01/05 - 30/05/13
 Number of weekdays (Monday-Friday): 10
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
 MULTI-MODAL VEHICLE OCCUPANTS
 Calculation factor: 1 DWELLS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	10	71	0.091	10	71	0.401	10	71	0.492
08:00 - 09:00	10	71	0.213	10	71	0.725	10	71	0.938
09:00 - 10:00	10	71	0.242	10	71	0.312	10	71	0.554
10:00 - 11:00	10	71	0.162	10	71	0.225	10	71	0.387
11:00 - 12:00	10	71	0.214	10	71	0.248	10	71	0.462
12:00 - 13:00	10	71	0.319	10	71	0.315	10	71	0.634
13:00 - 14:00	10	71	0.347	10	71	0.338	10	71	0.685
14:00 - 15:00	10	71	0.339	10	71	0.314	10	71	0.653
15:00 - 16:00	10	71	0.469	10	71	0.350	10	71	0.819
16:00 - 17:00	10	71	0.478	10	71	0.380	10	71	0.858
17:00 - 18:00	10	71	0.622	10	71	0.345	10	71	0.967
18:00 - 19:00	10	71	0.422	10	71	0.326	10	71	0.748
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			3.918			4.279			8.197

Parameter summary

Trip rate parameter range selected: 37 - 150 (units:)
 Survey date date range: 01/01/05 - 30/05/13
 Number of weekdays (Monday-Friday): 10
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL PEDESTRIANS

Calculation factor: 1 DWELLS

BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	10	71	0.022	10	71	0.045	10	71	0.067
08:00 - 09:00	10	71	0.032	10	71	0.143	10	71	0.175
09:00 - 10:00	10	71	0.034	10	71	0.050	10	71	0.084
10:00 - 11:00	10	71	0.031	10	71	0.027	10	71	0.058
11:00 - 12:00	10	71	0.036	10	71	0.048	10	71	0.084
12:00 - 13:00	10	71	0.039	10	71	0.031	10	71	0.070
13:00 - 14:00	10	71	0.035	10	71	0.046	10	71	0.081
14:00 - 15:00	10	71	0.029	10	71	0.041	10	71	0.070
15:00 - 16:00	10	71	0.143	10	71	0.043	10	71	0.186
16:00 - 17:00	10	71	0.077	10	71	0.066	10	71	0.143
17:00 - 18:00	10	71	0.084	10	71	0.043	10	71	0.127
18:00 - 19:00	10	71	0.071	10	71	0.060	10	71	0.131
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.633			0.643			1.276

Parameter summary

Trip rate parameter range selected: 37 - 150 (units:)
 Survey date date range: 01/01/05 - 30/05/13
 Number of weekdays (Monday-Friday): 10
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED
 MULTI-MODAL PUBLIC TRANSPORT USERS
 Calculation factor: 1 DWELLS
 BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	10	71	0.000	10	71	0.007	10	71	0.007
08:00 - 09:00	10	71	0.000	10	71	0.008	10	71	0.008
09:00 - 10:00	10	71	0.000	10	71	0.001	10	71	0.001
10:00 - 11:00	10	71	0.000	10	71	0.000	10	71	0.000
11:00 - 12:00	10	71	0.007	10	71	0.001	10	71	0.008
12:00 - 13:00	10	71	0.000	10	71	0.001	10	71	0.001
13:00 - 14:00	10	71	0.000	10	71	0.001	10	71	0.001
14:00 - 15:00	10	71	0.001	10	71	0.000	10	71	0.001
15:00 - 16:00	10	71	0.001	10	71	0.001	10	71	0.002
16:00 - 17:00	10	71	0.007	10	71	0.001	10	71	0.008
17:00 - 18:00	10	71	0.004	10	71	0.000	10	71	0.004
18:00 - 19:00	10	71	0.004	10	71	0.000	10	71	0.004
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			0.024			0.021			0.045

Parameter summary

Trip rate parameter range selected: 37 - 150 (units:)
 Survey date date range: 01/01/05 - 30/05/13
 Number of weekdays (Monday-Friday): 10
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 0

TRIP RATE for Land Use 03 - RESIDENTIAL/A - HOUSES PRIVATELY OWNED

MULTI-MODAL TOTAL PEOPLE

Calculation factor: 1 DWELLS

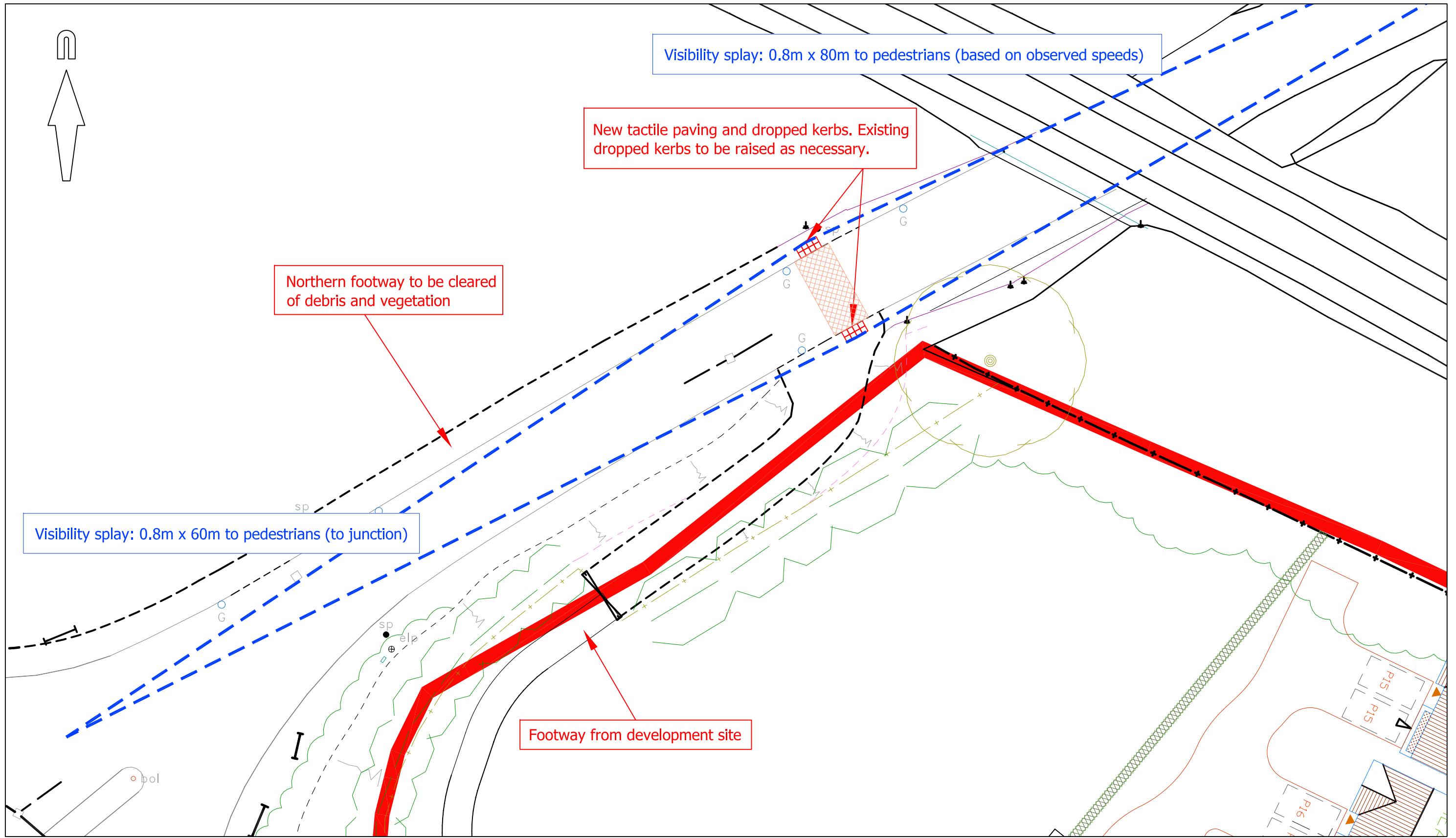
BOLD print indicates peak (busiest) period

Time Range	ARRIVALS			DEPARTURES			TOTALS		
	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate	No. Days	Ave. DWELLS	Trip Rate
00:00 - 01:00									
01:00 - 02:00									
02:00 - 03:00									
03:00 - 04:00									
04:00 - 05:00									
05:00 - 06:00									
06:00 - 07:00									
07:00 - 08:00	10	71	0.119	10	71	0.469	10	71	0.588
08:00 - 09:00	10	71	0.248	10	71	0.885	10	71	1.133
09:00 - 10:00	10	71	0.286	10	71	0.370	10	71	0.656
10:00 - 11:00	10	71	0.195	10	71	0.256	10	71	0.451
11:00 - 12:00	10	71	0.258	10	71	0.298	10	71	0.556
12:00 - 13:00	10	71	0.364	10	71	0.352	10	71	0.716
13:00 - 14:00	10	71	0.384	10	71	0.388	10	71	0.772
14:00 - 15:00	10	71	0.370	10	71	0.357	10	71	0.727
15:00 - 16:00	10	71	0.622	10	71	0.398	10	71	1.020
16:00 - 17:00	10	71	0.576	10	71	0.461	10	71	1.037
17:00 - 18:00	10	71	0.737	10	71	0.399	10	71	1.136
18:00 - 19:00	10	71	0.515	10	71	0.396	10	71	0.911
19:00 - 20:00									
20:00 - 21:00									
21:00 - 22:00									
22:00 - 23:00									
23:00 - 24:00									
Total Rates:			4.674			5.029			9.703

Parameter summary

Trip rate parameter range selected: 37 - 150 (units:)
 Survey date date range: 01/01/05 - 30/05/13
 Number of weekdays (Monday-Friday): 10
 Number of Saturdays: 0
 Number of Sundays: 0
 Surveys manually removed from selection: 0

APPENDIX D: Pedestrian crossing drawing



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client
BARRATT HOMES

project
LAND OFF B4265, BOVERTON

title
**PROPOSED UNCONTROLLED PEDESTRIAN
 CROSSING ON EGLWYS BREWIS ROAD**

scale 1:250 @ A3 | drawn by HI | checked by AS

date JAN 2015 | cad file 1-03.DWG

drawing number **B/BWBOVERTON.1/03** | rev. -

